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TLC485
Interface Converter
Quick Installation Guide

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【Package Checklist】

Please check whether the package and accessories are intact while using the device for the first time.

1. Interface converter
2. DB9 female head or DB9 female head to 3-pin terminal block converter
3. Certification
4. Warranty card

If any of these items are damaged or lost, please contact our company or dealers, we will solve it ASAP.

【Product Overview】

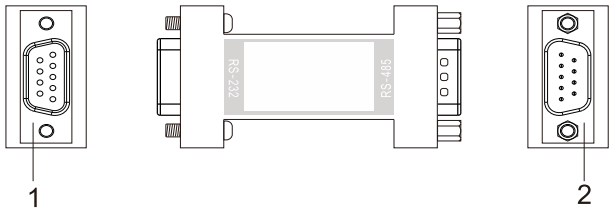
The product is a mini passive RS-232 to RS-485 interface converter. For convenience, the products of this series adopt the following number on the left in this guide, please affirm the number of your product.

Model I. TLC485/9 (1RS-232 DB9F + 1RS-485 DB9M)

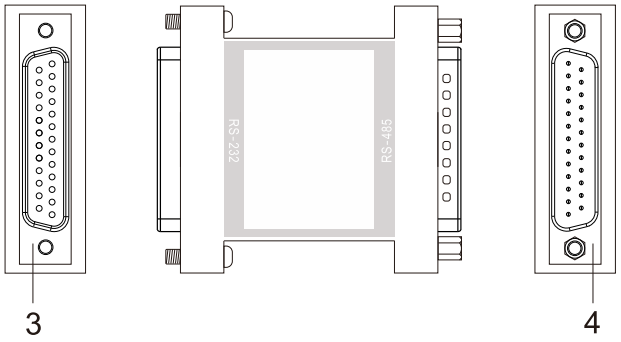
Model II. TLC485/25 (1RS-232 DB25F + 1RS-485 DB25M)

【Panel Design】

➢ **Front view and side view**



Model I



Model II

➢ **Top view**

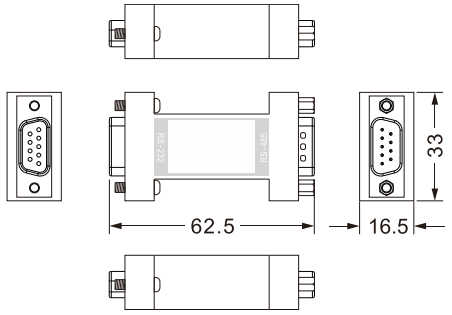


1. RS-232 serial port DB9 Female
2. RS-485 serial port DB9 Male
3. RS-232 serial port DB25 Female
4. RS-485 serial port DB25 Male

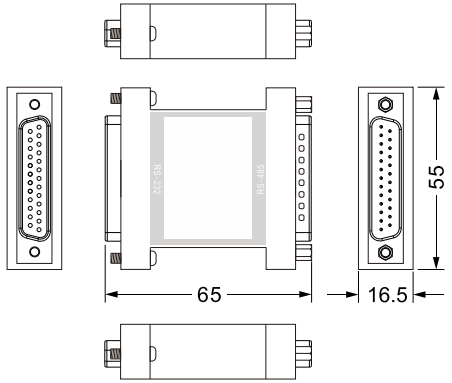
【Mounting Dimension】

Unit: mm

➢ **Model I**

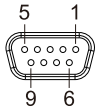


➢ **Model II**



【RS-232 serial port】

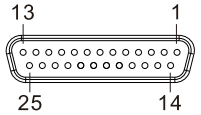
➢ **DB9F**



Model I of the RS-232 serial port adopts DB9F female connection mode, and the pin is defined as follows:

Pin No.	2	3	5
Pin Definition	TXD	RXD	GND

➢ **DB25F**

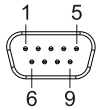


Model II of the RS-232 serial port converter adopts DB25 female head connection mode, and the pin is defined as follows:

Pin No.	2.	3.	4、5	7.	8、20
Pin Definition	RXD	TXD	inner	GND	inner

【RS-485 serial port】

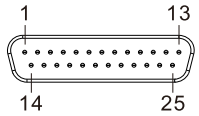
➢ DB9M



Model I of the RS-485 serial port adopts DB9 male connection mode, additionally equipped with DB9 female head to 3-pin terminal block converter, and the pin is defined as follows:

Pin No.	1.	2.	5.
Pin Definition	485-	485+	GND

➢ DB25M



Model II of the RS-485 serial port adopts DB9 male connection mode, additionally equipped with DB25 female head to 3-pin terminal block converter, and the pin is defined as follows:

Pin No.	1.	2.	3.
Pin Definition	GND	485+	485-

Note:

The pin definition of RS-485 terminal is subject to the silk screen of the case.

【Specification】

Standard	
Standard	EIA RS-232C，RS-485
Interface	
RS-232 serial port	Model I: DB9 female head Model II: DB25 female head
RS-485 serial port	Model I: DB9 male head，equipped with DB9 female head to 3-pin terminal block converter Model II: DB9 male head，equipped with DB25 female head to 3-pin terminal block converter
Transmission Speed	
Baud Rate	0-115200bps
Transmission distance:	
RS-232	15m
RS-485	1200m
Power Supply	
Input power supply	No external power supply is required, power is taken from the RS-232 serial port
Power Consumption	
Static power	＜10mA
Dynamic power	＜40mA
Working Environment	
Working temperature	-20~60℃
Storage temperature	-25~85℃
Working humidity	5%～95% (no condensation)